

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Michael Barrow

Application No: 09/274,430

Filed: March 22, 1999

For: PERIMETER MATRIX BALL  
GRID ARRAY CIRCUIT  
PACKAGE WITH A  
POPULATED CENTER

Examiner:

Art Unit: 2814

#7/Prel Amalc  
R. Tyson  
12/8/00

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DEC - 7 2000

TECHNOLOGY CENTER 2000

Assistant Commissioner for Patents  
Washington, D.C. 20231

*Please only  
LH*

SUPPLEMENTARY PRELIMINARY AMENDMENT

Sir:

Applicant would like to have entered this Supplementary Preliminary  
Amendment prior to Examination of the above referenced case:

IN THE CLAIMS

Please add claims 45-51 as follows:

*29  
45*

(New) A ball grid array package, comprising:

a substrate which has a top surface and an exposed external bottom  
surface, said external bottom surface having <sup>(a)</sup> plurality of contact pads, said  
plurality of contact pads consisting only of:

*C*

*18*

*11*